



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1129896
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1129896

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Craig 'A' 1-27
Doc ID	1129896

Tops

Name	Top	Datum
Anhydrite	1553	735
Base Anhydrite	1588	700
Topeka	3368	-1080
Heebner	3671	-1383
Lansing	3714	-1426
BKC	4009	-1721
Pawnee	4132	-1844
Ft Scott	4209	-1921
Cherokee	4235	-1947
Mississippian	4299	-2011

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 29, 2013

Nicholas D. Hess
Cobalt Energy LLC
115 S. BELMONT #12
PO BOX 8037
WICHITA, KS 67208

Re: ACO1
API 15-135-25532-00-00
Craig 'A' 1-27
SE/4 Sec.27-18S-24W
Ness County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Nicholas D. Hess



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Rocky Milford

Craig "A" #1-27

27-18s-24w Ness,KS

Start Date: 2013.03.05 @ 12:26:59

End Date: 2013.03.05 @ 19:37:44

Job Ticket #: 50543 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.13 @ 09:46:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50543

DST#: 1

ATTN: Rocky Milford

Test Start: 2013.03.05 @ 12:26:59

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:01:14

Time Test Ended: 19:37:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 4184.00 ft (KB) To 4234.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4234.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789 Inside

Press @ Run Depth: 83.33 psig @ 4221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.05

End Date:

2013.03.05

Last Calib.:

2013.03.05

Start Time: 12:27:01

End Time:

19:37:44

Time On Btm:

2013.03.05 @ 14:00:44

Time Off Btm:

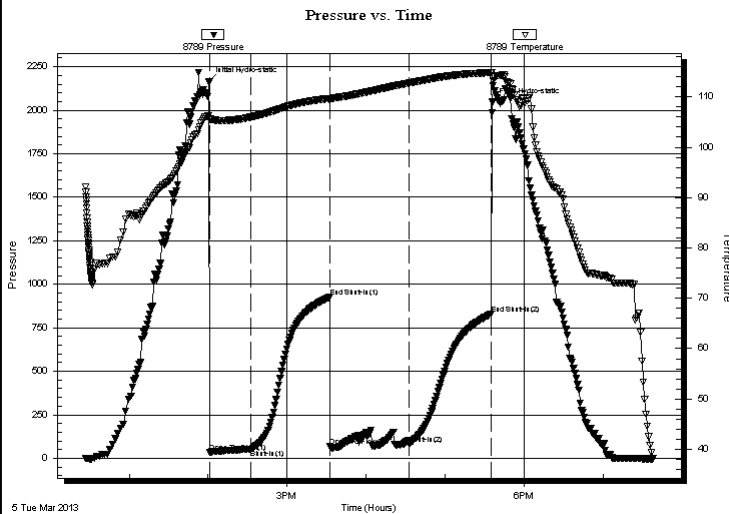
2013.03.05 @ 17:35:59

TEST COMMENT: IFP-Weak Blow , Built to 2 1/8"

ISI-Dead

FFP-Weak, Built to 1" Died in 30 Min. Came back as Intermittant Surface Blow

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2161.88	106.20	Initial Hydro-static
1	33.06	105.49	Open To Flow (1)
32	52.85	105.94	Shut-In(1)
92	926.13	109.70	End Shut-In(1)
92	69.90	109.28	Open To Flow (2)
152	83.33	112.72	Shut-In(2)
215	828.78	114.81	End Shut-In(2)
216	2046.46	114.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Mud W/Oil Scum	0.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50543

DST#: 1

ATTN: Rocky Milford

Test Start: 2013.03.05 @ 12:26:59

Tool Information

Drill Pipe:	Length: 3868.00 ft	Diameter: 3.80 inches	Volume: 54.26 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 326.00 ft	Diameter: 2.25 inches	Volume: 1.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 55.86 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4184.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4162.00	
Shut In Tool	5.00			4167.00	
Hydraulic tool	5.00			4172.00	
Safety Joint	2.00			4174.00	
Packer	5.00			4179.00	23.00 Bottom Of Top Packer
Packer	5.00			4184.00	
Stubb	1.00			4185.00	
Perforations	3.00			4188.00	
Change Over Sub	1.00			4189.00	
Blank Spacing	31.00			4220.00	
Change Over Sub	1.00			4221.00	
Recorder	0.00	8789	Inside	4221.00	
Recorder	0.00	8289	Outside	4221.00	
Perforations	10.00			4231.00	
Bullnose	3.00			4234.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50543

DST#: 1

ATTN: Rocky Milford

Test Start: 2013.03.05 @ 12:26:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Mud W/Oil Scum	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

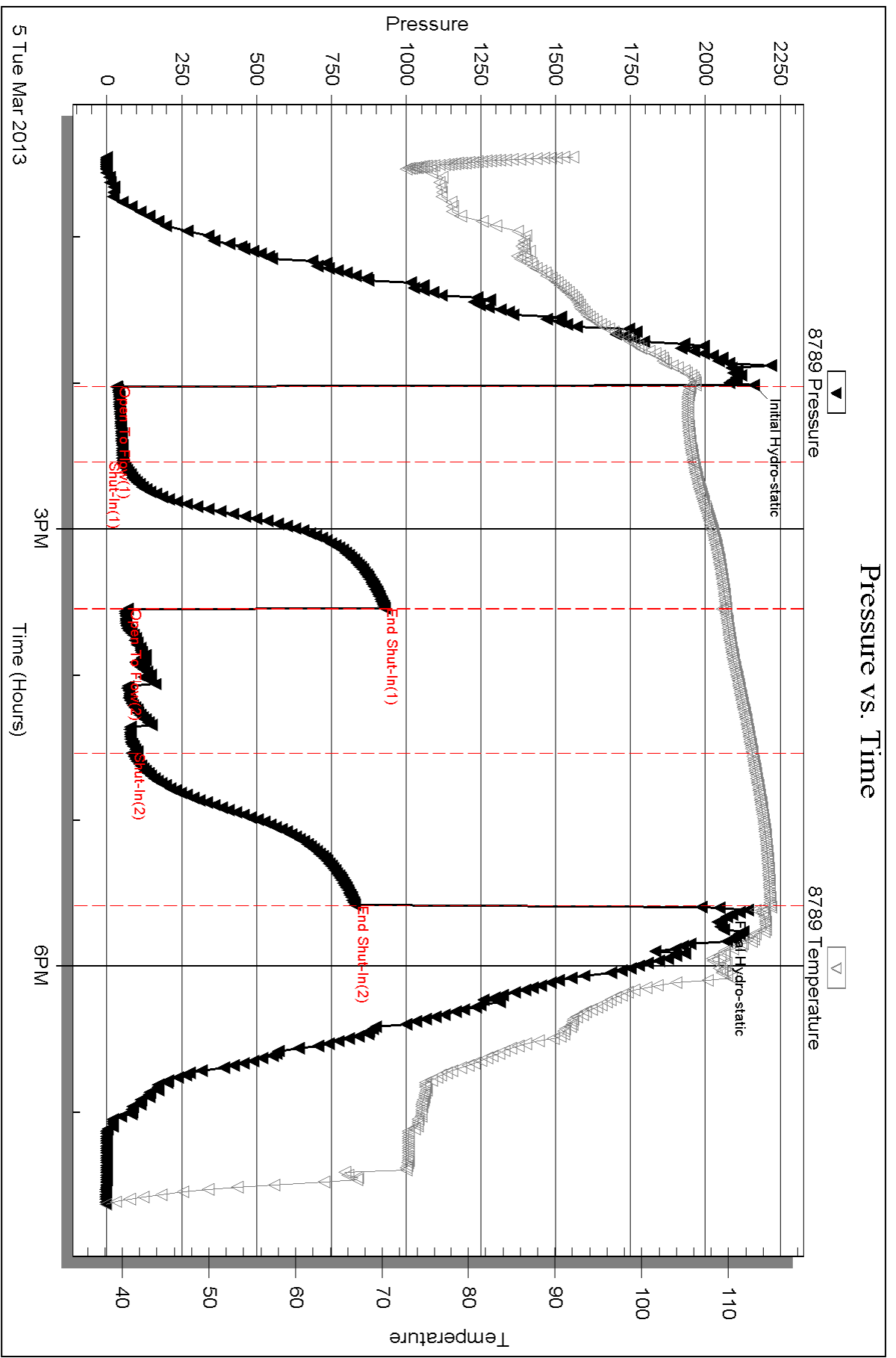
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

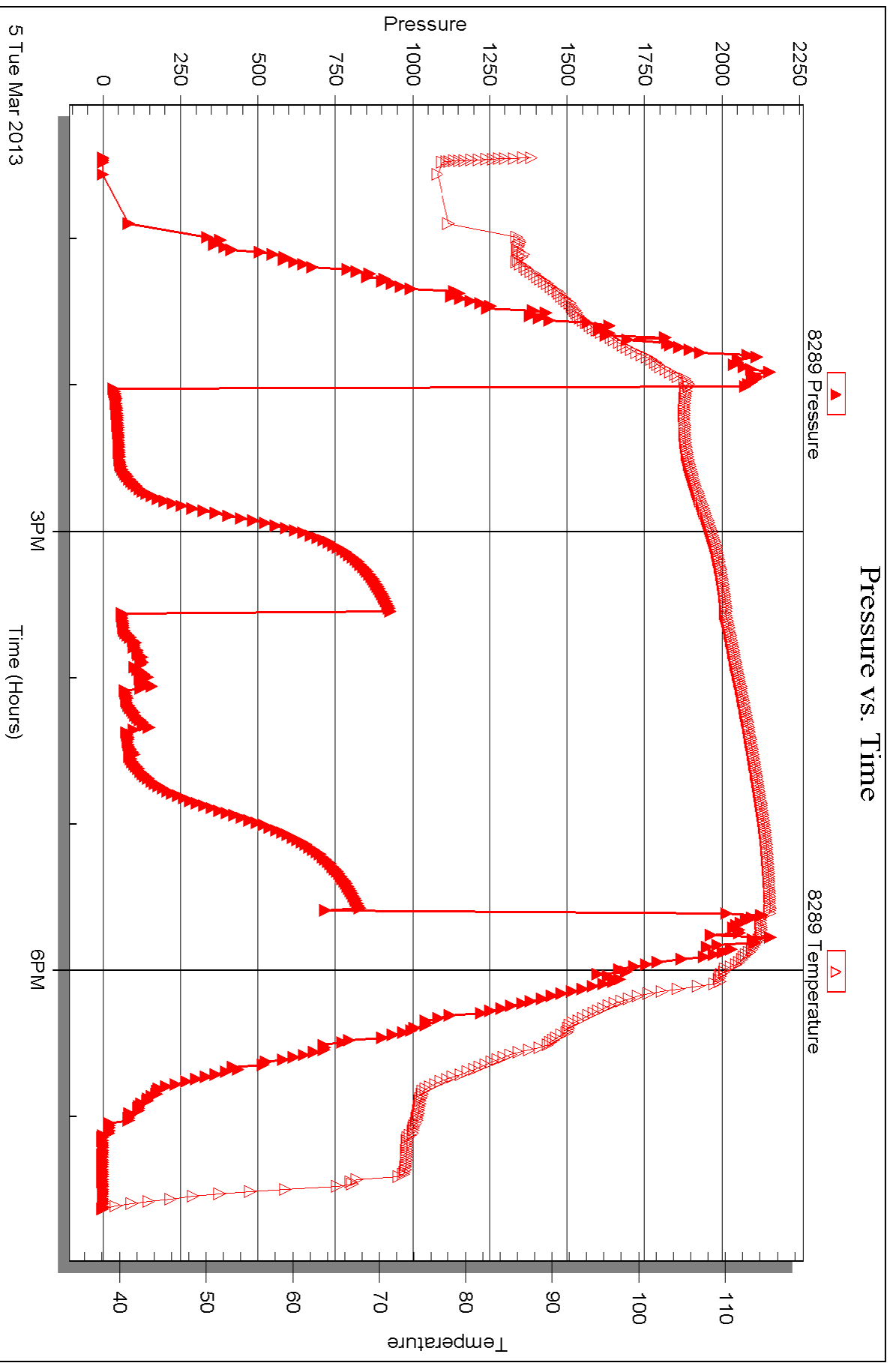


Serial #: 8289

Outside Cobalt Energy

Craig "A" #1-27

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Rocky Milford

Craig "A" #1-27

27-18s-24w Ness,KS

Start Date: 2013.03.06 @ 06:26:50

End Date: 2013.03.06 @ 15:20:50

Job Ticket #: 50544 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.13 @ 09:45:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50544

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.03.06 @ 06:26:50

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:25:50

Time Test Ended: 15:20:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 4256.00 ft (KB) To 4315.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4315.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789 Inside

Press @ Run Depth: psig @ 4293.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.06

End Date:

2013.03.06

Last Calib.:

2013.03.06

Start Time: 06:26:52

End Time:

15:20:50

Time On Btm:

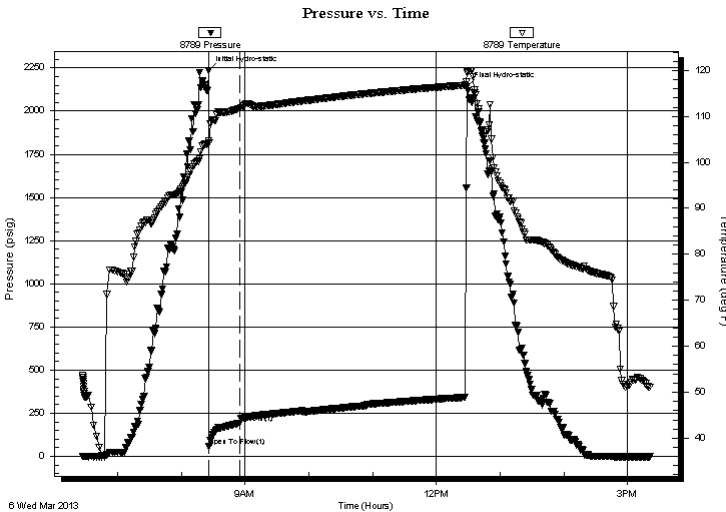
2013.03.06 @ 08:25:20

Time Off Btm:

2013.03.06 @ 12:29:05

TEST COMMENT: IFP-BOB in 5 min
ISI-BOB in 25 min
FFP-Blow built to 4"
FSI-Blow back built to 2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.11	104.66	Initial Hydro-static
1	58.40	104.28	Open To Flow (1)
30	191.63	111.71	Shut-In(1)
244	2143.36	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	GSOCM-15%G-10%O-75%M	1.03
570.00	Gassy Oil	6.94
0.00	360' Gas In Pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50544

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.03.06 @ 06:26:50

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:25:50

Time Test Ended: 15:20:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 4256.00 ft (KB) To 4315.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4315.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 4293.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.06

End Date:

2013.03.06

Last Calib.:

2013.03.06

Start Time: 06:26:22

End Time:

15:21:05

Time On Btm:

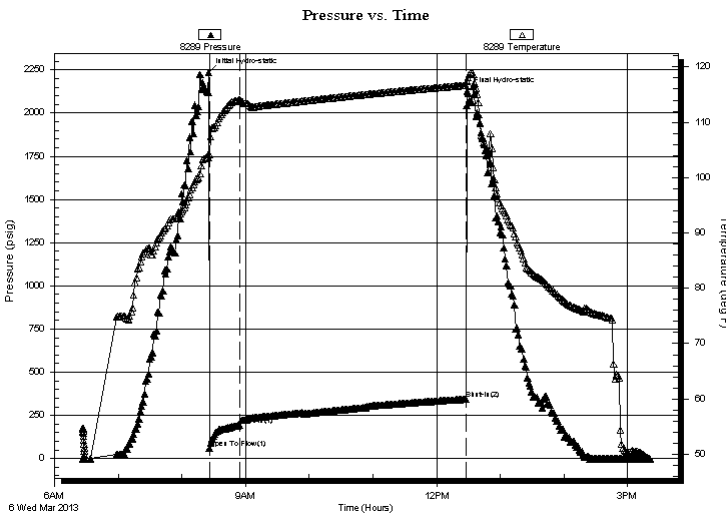
2013.03.06 @ 08:25:20

Time Off Btm:

2013.03.06 @ 12:28:50

TEST COMMENT: IFP-BOB in 5 min
ISI-BOB in 25 min
FFP-Blow built to 4"
FSI-Blow back built to 2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.54	104.40	Initial Hydro-static
1	60.55	104.09	Open To Flow (1)
30	191.83	114.02	Shut-In(1)
243	343.79	116.68	Shut-In(2)
244	2127.20	117.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	GSOCM-15%G-10%O-75%M	1.03
570.00	Gassy Oil	6.94
0.00	360' Gas In Pipe	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50544

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.03.06 @ 06:26:50

Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 326.00 ft	Diameter: 2.25 inches	Volume: 1.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4256.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4234.00	
Shut In Tool	5.00			4239.00	
Hydraulic tool	5.00			4244.00	
Safety Joint	2.00			4246.00	
Packer	5.00			4251.00	23.00 Bottom Of Top Packer
Packer	5.00			4256.00	
Stubb	1.00			4257.00	
Perforations	3.00			4260.00	
Change Over Sub	1.00			4261.00	
Blank Spacing	31.00			4292.00	
Change Over Sub	1.00			4293.00	
Recorder	0.00	8789	Inside	4293.00	
Recorder	0.00	8289	Outside	4293.00	
Perforations	19.00			4312.00	
Bullnose	3.00			4315.00	59.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy

27-18s-24w Ness, KS

115 S. Belmont #12
Wichita, KS 67208

Craig "A" #1-27

Job Ticket: 50544

DST#: 2

ATTN: Rocky Milford

Test Start: 2013.03.06 @ 06:26:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
210.00	GSOCM-15%G-10%O-75%M	1.033
570.00	Gassy Oil	6.939
0.00	360' Gas In Pipe	0.000

Total Length: 780.00 ft

Total Volume: 7.972 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

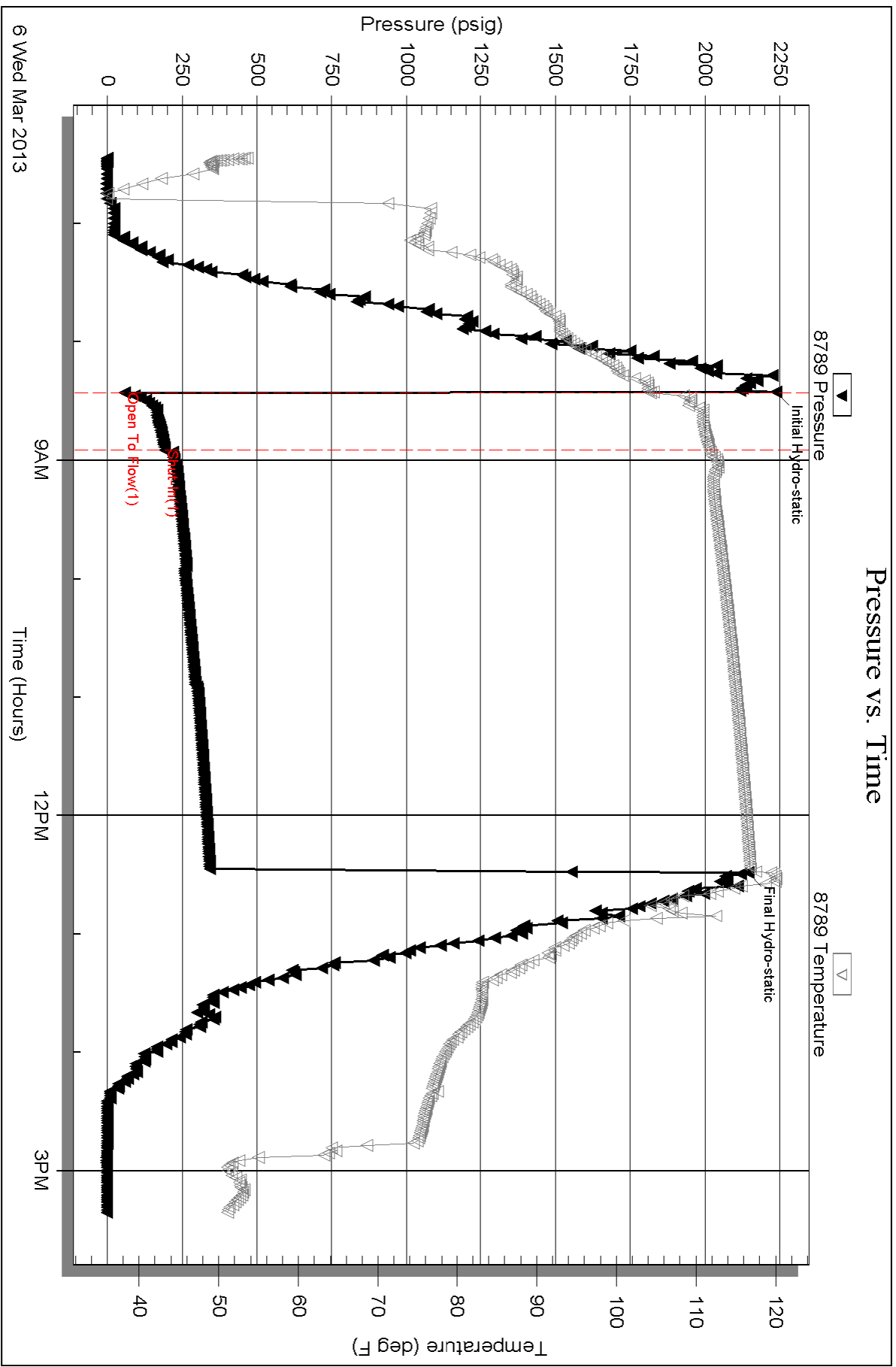
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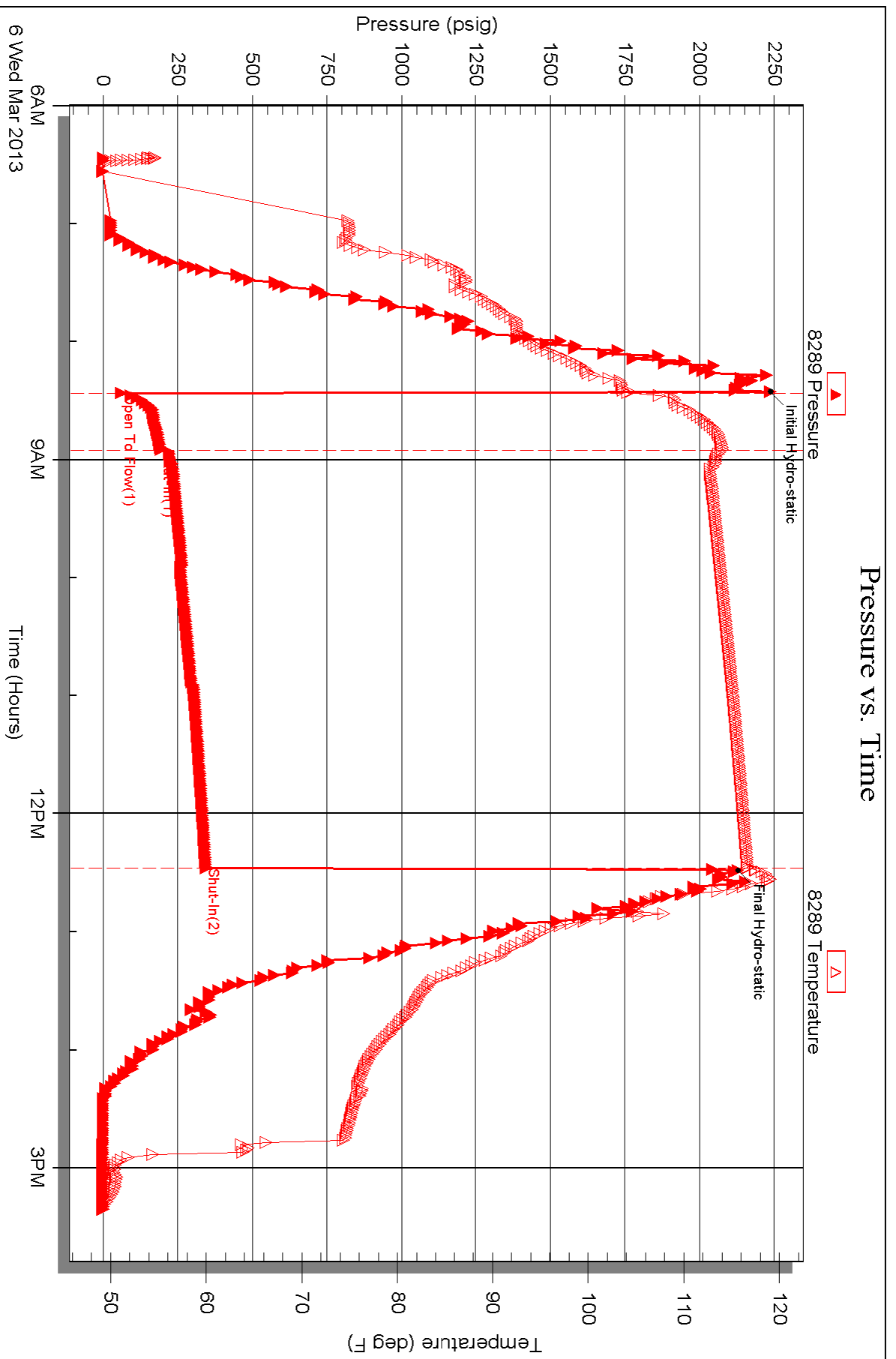
Inside

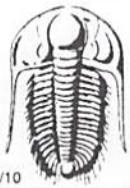
Cobalt Energy

Craig "A" #1-27

DST Test Number: 2







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50543

Well Name & No. Craig 'A' #1-27 Test No. 1 Date 3-5-13
 Company Cobalt Energy Elevation 2288 KB 2283 GL
 Address 115 S. Belmont, #12, Wichita, Ks. 67208
 Co. Rep / Geo. Rocky Milford Rig Murfin #16
 Location: Sec. 27 Twp. 18s Rge. 24w Co. Ness State Ks

Interval Tested 4184-4234 Zone Tested Ft Scott
 Anchor Length 50 Drill Pipe Run 3868 Mud Wt. 9.4
 Top Packer Depth 4179 Drill Collars Run 326 Vis 51
 Bottom Packer Depth 4184 Wt. Pipe Run 0 WL 6.8
 Total Depth 4234 Chlorides 4800 ppm System LCM 3 #

Blow Description IFP - Weak Blow, Built to 2 1/8"
ISI - Dead

FFP - Weak Blow, Built to 1", Died in 30 min, Came back to Ints
Surface Blow, FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>Mud w/oil scum</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2162 Test 1250 T-On Location 11:53
 (B) First Initial Flow 33 Jars _____ T-Started 12:24
 (C) First Final Flow 53 Safety Joint 75 T-Open 14:00
 (D) Initial Shut-In 926 Circ Sub _____ T-Pulled 17:30
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 19:33
 (F) Second Final Flow 83 Mileage 130rt 201.50 Comments _____
 (G) Final Shut-In 829 Sampler _____
 (H) Final Hydrostatic 2046 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1526.50
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 60
 Sub Total 1526.50

Approved By _____ Our Representative Jason McLanor *Thank You*

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50544

Well Name & No. Craig 'A' #1-27 Test No. 2 Date 3-6-13
 Company Cobalt Energy Elevation 2288 KB 2283 GL
 Address 115 S. Belmont, #12, Wichita, KS. 67208
 Co. Rep / Geo. Rocky Milford Rig Murfin #16
 Location: Sec. 27 Twp. 18s Rge. 24w Co. _____ State KS

Interval Tested 4256 - 4315 Zone Tested Mississippi
 Anchor Length 59' Drill Pipe Run 3930 Mud Wt. 9.4
 Top Packer Depth 4251 Drill Collars Run 326 Vis 51
 Bottom Packer Depth 4256 Wt. Pipe Run 0 WL 6.8
 Total Depth 4315 Chlorides 4800 ppm System LCM 3"

Blow Description IFP - Strong, BOB in 5 min.
ISI - Blowback BOB in 25 min
FFP - Blow Built to 4", some plugging action
FSI - Blowback Built to 2", died off after 30 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>570</u>	<u>Cassy Oil</u>	<u>30</u>	<u>70</u>		
<u>210</u>	<u>Cassy Oil Cut Mud</u>	<u>15</u>	<u>10</u>		<u>75</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of <u>360' GIP</u>	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 780 BHT _____ Gravity 37 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2236 Test 1250 T-On Location 5:45
 (B) First Initial Flow 58 Jars _____ T-Started 6:24
 (C) First Final Flow 192 Safety Joint 75 T-Open 8:27
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 12:27
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 15:20
 (F) Second Final Flow _____ Mileage 201.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2143 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1526.50
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Sub Total 1526.50

Approved By _____ Our Representative Jawon Mc Lamon

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CHARGE TO: COBALT ENERGY
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No. **242226**

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS.</u>	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
2. <u>Ness City, KS.</u>		<u>CRANE A 1-27</u>	<u>NESS</u>	<u>KS.</u>	<u>Ness City, KS.</u>	<u>7 MAR 13</u>	
3. <u>Ness City, KS.</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>MURKIN DRILLING #16</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
4. <u>Ness City, KS.</u>	WELL TYPE <u>DIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>5' x LONG STRING</u>			WELL PERMIT NO.	WELL LOCATION <u>2W 1/2ND W TST</u>
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE #115	1	MI		60.00	60.00
579					PUMP CHARGE	1	NOB		1850.00	1850.00
403					CEMENT BASKETS	2	EA		250.00	500.00
407					TURBET FLOAT SHOE W/AUTO FILL	1	EA		350.00	350.00
408					DV TOOL & PLUG SET	1	EA		3000.00	3000.00
409					TURBOIZERS	1	EA		900.00	900.00
417					DV LATCH DOWN PLUG & Baffle	1	EA		200.00	200.00
580					ADDITIONAL HOURS - CIRCULATING	2	HRS		200.00	400.00
281					MUD FLUSH	500	gal		1.25	625.00
221					AQUID RCL	4	gal		25.00	100.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CUSTOMER DID NOT WISH TO RESPOND

DATE SIGNED: 7 MAR 13 TIME SIGNED: 1730 A.M. P.M.

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature]

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

TOTAL 17,147.11

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7 MAR 13 PAGE NO.

CUSTOMER COBALT ENERGY WELL NO. LEASE CRAIG A 1-27 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 24226

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							ON LOCATION
	0910							START PIPE 5 1/2 - 15.5 # RTD @ SET e SAOE JOINT 33.14' CENTRALIZERS 1,2,3,4,5,6,7,8,10,68 BASKETS 2, 69 DV TOOL # 69 @ 1517'
	1150				✓			DROP BALL CIRCULATE
	1246	6 1/2	12		✓		300	Pump 500 GAL RTD MUD FLUSH
		6 1/2	20		✓		300	Pump 20 BBL RCL FLUSH
	1252	6 1/2	42		✓			MIX 175 SX EA 2
	1302							WASH OUT PUMP & LINES
	1305	7 1/2			✓			START DISPLACING PLUG.
	1321	Ø	104		✓		1500	PLUG DOWN. LATCH PLUG IN
	1324							RELEASE PSI - DRY WASH TRUCK
	1330							DROP DV OPENING TOOL
	1337				✓		1100	OPEN DV TOOL
	1339							CIRCULATE
	1620	6 1/2	20		✓			Pump 20 BBL RCL FLUSH
	1624		7.5					PLUG RA-MH (30 SX - 20 SX)
	1628	6 1/2	97		✓			MIX 175 SX SMD
	1647							WASH OUT PUMP & LINES
	1650	6 1/2			✓			START DISPLACING DV CLOSING TOOL/PLUG
	1656	Ø	36		✓		1500	PLUG DOWN - CLOSE DV TOOL
	1658				✓			RELEASE PSI - DRY
	1701							WASH TRUCK
	1730							JOB COMPLETE
								THANKS #115
								JASON JEFF ISAAC

Robert L. Milford

PETROLEUM GEOLOGIST

Wichita, Kansas

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR **Coloalt Energy, LLC**

LEASE **Cruid 'A' #4-27**

LOC SPOT **120'S & 130'E of C N2 SE**

LOC FOOTAGE **1,860' FSL & 1,190' FEL**

SEC. **27** TWP **18S** R **24W**

COUNTY **Ness** STATE **Kansas**

API **15-135-2553-00-00**

CONTRACTOR **Murfin Drilling Co., Inc.** IRI NO. **16**

DRILLING STARTED **2-28-2013** COMPLETED **3-7-2013**

MUD DISPLACED **3,200** MUD TYPE **Chemical**

DRILLING TIME KEPT FROM **3,300'** TO **RTD**

SAMPLES SAVED FROM **3,300'** TO **RTD**

SAMPLES EXAMINED FROM **3,300'** TO **RTD**

GEOLOGICAL SUPERVISION FROM **3,217'** TO **RTD**

MEASUREMENTS/NOTES

CASING RECORD

CONDUCTOR

Surface **8.5/8" @ 220'**

w/ 65 sacks cement

Production **5.1/2" @ 4394'**

w/ 75 sacks cement

Production **5.1/2" @ 4394'**

w/ 75 sacks cement

Production **5.1/2" @ 4394'**

w/ 75 sacks cement

Production **5.1/2" @ 4394'**

FORMATION NAME	TOP DATUM	LOG DATUM	SAMPLE DATE	DATE	7:00 AM DEPTH	REMARKS
Stone Corral	1,553'	+735'	1,552'	+736'		
Topeka	3,368'	-1080'	3,368'	-1080'		
Heebner	3,671'	-1383'	3,671'	-1383'		
Lansing	3,714'	-1426'	3,714'	-1426'		
B/KC	4,009'	-1721'	4,008'	-1720'		
Pawnee	4,132'	-1844'	4,132'	-1844'		
Fort Scott	4,209'	-1921'	4,209'	-1921'		
Cherokee	4,235'	-1947'	4,235'	-1947'		
Mississippi	4,299'	-2011'	4,300'	-2012'		
Total Depth	4,402'	-2114'	4,400'	-2112'		

DATE	7:00 AM DEPTH	REMARKS
2-28-13	0'	Spud @ 3:45 pm. Plug down @ 9:00 pm. Drilled out plug @ 5:00 am on 3-1-13
3-1-13	350'	Cut 350' in last 24 hrs. Dev.: 0.5" @ 2255'
3-2-13	2,320'	Cut 1,970' in last 24 hrs; 20.75 hrs drlg. Lost circ @ 2980' (dwn 0.75 hr)
3-3-13	3,150'	Cut 830' in last 24 hrs; 20.25 hrs drlg.
3-4-13	3,840'	Cut 690' in last 24 hrs; 21.75 hrs drlg.
3-5-13	4,234'	Cut 394' in last 24 hrs; 19.25 hrs drlg. DST #1 @ 4234', DST #2 @ 4315'
3-6-13	4,315'	Cut 81' in last 24 hrs; 4.75 hrs drlg. RTD 4400' @ 9:00 pm
3-7-13	4,400'	Cut 85' in last 24 hrs; 1.75 hrs drlg. Ran production casing

Remarks

The electric log measurements correlate from 1' higher to 1' lower to the drilling measurements.

Formation tops and lithology on this report have been corrected to the electric log.

The drilling samples were deposited at the Kansas Geological Survey office in Wichita.

Respectfully submitted,

Robert L. Milford

